

CLAIMS

1. A dust collection unit suitable for use with a hand held drilling and/or hammering tool, comprising:

a shroud (34) adapted to extend around a tool or bit (24) of such a hammering and/or drilling tool so as to collect dust in an airflow passing through the dust extraction unit which dust is generated by such a tool or bit; and

a tube like extension sleeve (28) which extends forwardly from the shroud, with respect to such a tool or bit;

characterised in that a slideable sleeve (54) is slideably mounted on the extension sleeve so as to move between a retracted position in which the forward rim of the extension sleeve is engageable with a surface to be worked and an extended position in which a forward rim of the slideable sleeve is engageable with a surface to be worked and the forward ends of the extension sleeve and the slideable sleeve are shaped differently from each other so as to fit against a different shape of work surface.

2. A dust collection unit according to claim 1 wherein one of the extension sleeve or the slideable sleeve is tapered at its forward end so as to have a forward rim which fits into a corner of a surface to be worked.

3. A dust collection unit according to claim 2 wherein the tapered forward rim is formed to have a pair of opposing V-shaped ridges (52).

4. A dust collection unit according to claim 2 or claim 3 wherein the other of the extension sleeve or the slideable sleeve has a forward rim which extends perpendicularly to the longitudinal axis of such a tool or bit so as to fit against a plane surface to be worked.

5. A dust collection unit according to any one of the preceding claims wherein the tube like extension sleeve and the slideable sleeve are formed as an adapter (22) which can be releasably fitted to the shroud.

6. A dust collection unit according to any one of the preceding claims wherein the sliding sleeve is slideably mounted around the extension sleeve.

7. A dust collection unit according to any one of the preceding claims wherein the sliding sleeve is biased into its extended position by a spring arrangement (62).

8. A dust collection unit according to any one of the preceding claims comprising an extension arm (36) on which the shroud (32) can be mounted, a filter housing (41) which communicates with the shroud via the extension arm and incorporates a filter, arranged such that the dust collecting airflow passes from the shroud, through the extension arm, into the filter housing and through the filter.

9. A dust collection unit according to claim 8 wherein the dust collection unit (40) includes a fan (51) for generating the dust collecting airflow.

10. A dust collection unit substantially as hereinbefore described with reference to any one of the accompanying Figures.

11. A shroud adapter suitable for fitment to a dust collecting shroud (34) of a dust collection unit (40), which dust collection unit is suitable for use with a hand held drilling and/or hammering tool, the shroud adapter comprising a tube like extension sleeve (28) which can be releaseably fitted to such a shroud so as to extend forwardly from such a shroud characterised in that a slideable sleeve (54) is slideably mounted on the extension sleeve so as to move between a retracted position in which the forward rim of the extension sleeve is engageable with a surface to be worked and an extended position in which a forward rim of the slideable sleeve is engageable with a surface to be worked and the forward ends of the extension sleeve and the slideable sleeve are shaped differently from each other so as to fit against a different shape of work surface.

12. An adapter according to claim 11 wherein one of the extension sleeve or the slideable sleeve is tapered at its forward end so as to have a forward rim which fits into a corner of a surface to be worked.

13. An adapter according to claim 12 wherein the tapered forward rim is formed to have a pair of opposing V-shaped ridges (52).

14. An adapter according to any one of claim 12 or claim 13 wherein the other of the extension sleeve or the slideable sleeve has a forward rim which is shaped to fit against a plane surface to be worked.

15. An adapter according to any one of claims 11 to 14 wherein the sliding sleeve is slideably mounted around the extension sleeve.

16. An adapter according to any one of claims 11 to 15 wherein the sliding sleeve is biased into its extended position by a spring arrangement (62).

17. A shroud adapter suitable for fitment to a dust collecting shroud (34) of a dust collection unit (40), which dust collection unit is suitable for use with a hand held drilling and/or hammering tool substantially as hereinbefore described with reference to any one of the accompanying Figures .

18. A shroud for a dust collection unit (40), which dust collection unit is suitable for use with a hand held drilling and/or hammering tool, which shroud can be releasably fitted to such a dust extraction unit so as to extend around a tool or bit (24) of such a hammering and/or drilling tool so as to collect dust in an airflow passing through the shroud which dust is generated by such a tool or bit, the shroud additionally comprising a forwardly extending tube like extension sleeve (28), characterised in that a slideable sleeve (54) is slideably mounted on the extension sleeve so as to move between a retracted position in which the forward rim of the extension sleeve is engageable with a surface to be worked and an extended position in which a forward rim of the slideable sleeve is engageable with a surface to be worked and the forward ends of the extension sleeve and the slideable sleeve are shaped differently from each other so as to fit against a different shape of work surface.

19. A shroud according to claim 18 wherein one of the extension sleeve or the slideable sleeve is tapered at its forward end so as to have a forward rim which fits into a corner of a surface to be worked.

20. A shroud according to claim 19 wherein tapered forward rim is formed to have a pair of opposing V-shaped ridges (52).

21. A shroud unit according to claim 19 or claim 20 wherein the other of the extension sleeve or the slideable sleeve has a forward rim which extends perpendicularly to the longitudinal axis of such a tool or bit so as to fit against a plane surface to be worked.

22. A shroud according to any one of claims 18 to 21 wherein the sliding sleeve is slideably mounted around the extension sleeve.

23. A shroud according to any one of claims 18 to 22 wherein the sliding sleeve is biased into its extended position by a spring arrangement (62).

24. A shroud suitable for fitment to a dust collection unit (40), which dust collection unit is suitable for use with a hand held drilling and/or hammering tool substantially as hereinbefore described with reference to any one of the accompanying Figures .